

Federal Operating Permit
Article 1

This permit is based upon the requirements of Title V of the Federal Clean Air Act and Chapter 80, Article 1 of the Commonwealth of Virginia Regulations for the Control and Abatement of Air Pollution. Until such time as this permit is reopened and revised, modified, revoked, terminated or expires, the permittee is authorized to operate in accordance with the terms and conditions contained herein. This permit is issued under the authority of Title 10.1, Chapter 13, §10.1-1322 of the Air Pollution Control Law of Virginia. This permit is issued consistent with the Administrative Process Act, and 9 VAC 5-80-50 through 9 VAC 5-80-300 of the State Air Pollution Control Board Regulations for the Control and Abatement of Air Pollution of the Commonwealth of Virginia.

Authorization to operate a Stationary Source of Air Pollution as described in this permit is hereby granted to:

Permittee Name:	Georgia-Pacific Corporation
Facility Name:	Emporia Plywood Facility
Facility Location:	634 Davis Street Emporia, Virginia
Registration Number:	50283
Permit Number:	PRO50283

July 6, 2005

Effective Date

June 18, 2008

Expiration Date

Director, Department of Environmental Quality

July 6, 2005

Signature Date

Permit Conditions, 38 pages

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I. Facility Information

Permittee

Georgia-Pacific Corporation – Emporia Plywood Facility
P. O. Drawer D
Emporia, Virginia 23847

Responsible Official

Joey Pate
Plant Manager

Facility

Emporia Plywood Facility
634 Davis Street
Emporia, Virginia 23847

Contact person

Robby Bullock
Environmental Coordinator
(434) 634-5123

County-Plant Identification Number: 51-081-0020

Facility Description: NAICS Code 321212 – The Emporia Plywood Facility manufactures softwood plywood.

Logs are received in the Log Yard and taken to the Cut-Up where they go through debarking and are cut to usable lengths before being soaked in vats of hot water to loosen the fibers for peeling. Veneer is cut from the logs in the “Green End”, and any residuals are chipped for use in the steam boiler or for shipment off-site.

After the veneer is sorted and clipped, it is dried in one of three veneer dryers, glued, and pressed. The plywood boards are then cooled and transported to the Plywood Trim Panel Saw to trim the edges. Sawdust generated from this process is collected in a vacuum system located above each saw, and transported to the Central Dry Waste System.

The facility is a Title V major source. This source is located in an attainment area for all pollutants, and is also a PSD major source, due to permitted emissions from its wood-fired boiler and dryers.

II. Emission Units

Equipment to be operated consists of:

Emission Unit ID	Stack ID	Emission Unit Description	Size/Rated Capacity	Pollution Control Device Description (PCD)	PCD ID	Pollutant Controlled	Applicable Permit Date
Fuel Burning Equipment							
WWB	BS	Erie City Boiler Type VC	179.4 MMBtu/hr	Western Precipitation (Model 12VM, Size 50-5), multicyclone	B1	PM/ PM-10	11/28/77
				Bumstead-Woolford (12-foot diameter) scrubber	B2	PM/ PM-10	None
Cut Up and Green End							
DB1, DB2	EP13a EP13b	Log Debarkers 1 and 2	2,877 tons/hr			No control	None
CS	EP2	Chip Screen	14.1 tons/hr	Burning and Federal, cyclone	C2	PM/ PM-10	None
Veneer Dryers							
VD1	VD1A-F	Coe Dryer Steam-Heated Veneer Dryer No. 1	11,574 ft²/hr 3/8” Basis			No control	6/3/03

VD2	VD2A-D, EP15	Coe Dryer Steam-Heated Veneer Dryer No. 2	20,400 ft ² /hr 3/8" Basis			No control	6/3/03
VD3	VD3A-D, EP15	Coe Dryer Steam-Heated Veneer Dryer No. 3	20,400 ft ² /hr 3/8" Basis			No control	6/3/03
Veneer Conditioning Chamber							
VCC	EP16	Veneer Conditioning Chamber	2,652 ft ² /hr 3/8" Basis	G-P Mfg.		No Control	6/3/03
Plywood Presses							
P1, P2, P3	EP9	Plywood Press Units 1, 2, and 3	62,026 ft ² /hr 3/8" Basis			No control	6/3/03
Specialty Lines							
CTL	EP6	Dry Waste Transfer System	62,026 ft ² /hr	Carter-Day, baghouse	BH2	PM/PM- 10	None
SDR	EP7	Sander	58,237 ft ² /hr	Carter-Day, baghouse	BH1	PM/PM- 10	None
Storage of Wood Residuals							
CTLB		Central Truck Loading Bin	1.5 tons/hr	G-P Mfg.			None

III. Fuel Burning Equipment Requirements - (emission unit ID #WWB)

A. Limitations

1. Particulate emissions from the wood-fired boiler shall be controlled by the use of a multicyclone collector followed by a scrubber. The multicyclone collector and scrubber shall be provided with adequate access for inspection.
(9 VAC 5-80-10 H)
2. The approved fuel for the wood-fired boiler is wood waste. "Wood waste" is defined as wood feed stock, bark, resinated and unresinated sawdust, sanderdust, dry waste, board trimmings, and other wood wastes capable of being hogged. This definition does not include wood contaminated with paints, plastics, finishing material, other foreign materials which might emit toxic air pollutants when burned, or other chemical treatments, except the wood waste may contain small quantities of equipment washdown oil, oil-contaminated spill cleanup material, process resins, glue solids, waxes, and edge sealers generated at the facility. The woodwaste may also contain small quantities of fuel oil for use during boiler startup. A change in fuel may require a permit to modify and operate.
(9 VAC 5-80-110, and Condition 5 of 11/28/77 Permit)
3. The wood-fired boiler shall consume no more than 173,800 tons of wood waste per year, calculated as the sum of each consecutive twelve (12) month period.
(VAC 5-80-110)
4. Emissions from the operation of the wood-fired boiler shall not exceed the limits specified below:

Particulate Matter	27.0 lbs/hr	117.3 tons/yr	(9 VAC 5-50-260)
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(9 VAC 5-80-110, and Condition 2 of 11/28/77 Permit)
5. Visible emissions (excluding condensed water vapor/steam) from the wood-fired boiler stack shall not exceed 20 percent opacity except during one six-minute period in any one hour in which visible emissions shall not exceed 30 percent opacity, as determined by EPA Method 9 (reference 40 CFR 60, Appendix A). This condition applies at all times except during startup, shutdown and malfunction.
(9 VAC 5-50-80 and 9 VAC 5-80-110)
6. Boiler emissions shall be controlled by proper operation and maintenance. Boiler operators shall be trained in the proper operation of all such equipment. Training shall consist of a review and familiarization of the manufacturer's operating instructions, at minimum.
(9 VAC 5-80-110)

B. Monitoring

1. An annual internal inspection shall be conducted on the multicyclone by the permittee to insure structural integrity.
(9 VAC 5-80-110)
2. The permittee shall install differential pressure monitoring equipment on the multicyclone and measure and record a baseline differential during the stack test required by Condition III.D.2, while the boiler is demonstrating compliance with the limit contained in Condition III.A.4. The differential pressure shall be monitored and recorded on a weekly basis. If the differential pressure deviates more than 20% below baseline differential pressure, the permittee shall perform an inspection of the multicyclone to determine the cause of the abnormal condition, and take steps to correct it.
(9 VAC 5-80-10 H and 9 VAC 5-50-260)
3. The scrubber (PCD ID# B2) shall be equipped with a flow meter. The permittee shall measure and record a baseline flow during the stack test required by Condition III.D.2., while the boiler is demonstrating compliance with the limit contained in Condition III.A.4. The flow shall be monitored and recorded once per shift. If the flow deviates more than 20% below the baseline flow rate, the permittee shall perform an inspection of the scrubber to determine the cause of the abnormal condition, and take steps to correct it.
(9 VAC 5-80-110)
4. The wood-fired boiler stack shall be observed visually at least once each calendar week to determine if its emissions, excluding condensed water vapor/steam, are normal. Each unit observed having apparent abnormal visible emissions shall be followed up with a 40 CFR Appendix A Method 9 visible emissions evaluation unless the apparent abnormal condition is corrected as expeditiously as possible and recorded, and the apparent abnormal condition, its cause, and the corrective action measures taken are recorded. When conditions prevent taking opacity readings using 40 CFR 60 Appendix A Method 9, the permittee shall note the cause(s), such as: inclement weather conditions, steam plume interference, plume intermingling, and sun angle exceedance, and shall perform the Method 9 evaluation as soon as conditions permit.
(9 VAC 5-50-20)
5. The permittee shall use appropriate emission factors and throughput data to verify, on a monthly basis, that the hourly and annual (12-month) emission limits for particulate are not exceeded.
(9 VAC 5-80-110)

C. Recordkeeping

1. The permittee shall maintain records of all emission data and operating parameters necessary to demonstrate compliance with this permit. The content of and format of such records shall be arranged with the Director, Piedmont Region. These records shall include, but are not limited to:

- a. Tons of wood waste combusted in the wood-fired boiler on a monthly and annual basis. Tons per year consumption is calculated as the sum of each consecutive 12-month period.
- b. Calculation of hourly and annual emissions of PM. Annual emissions shall be calculated as the sum of each consecutive 12-month period.
- c. Differential pressure readings across the wood-fired boiler multicyclone, and results of multicyclone inspections.
- d. Flow readings across the scrubber, and scrubber maintenance records.
- e. Results of visible emissions observations, any subsequent Method 9 visible emission evaluations, the cause of any abnormal and excess visible emissions, corrective measures taken to correct the excess visible emissions, and records of conditions which prevent Method 9 visible emission evaluations in the event of an apparently abnormal visible emission condition.
- f. Results of any emissions testing.

These records shall be available on site for inspection by the DEQ and shall be current for the most recent five (5) years.

(9 VAC 5-50-50 and 9 VAC 5-80-110)

2. The permittee shall maintain records of the required training including a statement of time, place and nature of training provided. The permittee shall have available good written operating procedures and a maintenance schedule for the boiler. These procedures shall be based on the manufacturer's recommendations, at minimum. All records required by this condition shall be kept on site and made available for inspection by the DEQ.
(9 VAC 5-80-110)

D. Testing

1. The permitted facility shall be constructed so as to allow for emissions testing at any time using appropriate methods. Upon request from the Department, test ports will be provided at the appropriate locations.
(9 VAC 5-40-30, 9 VAC 5-50-30 and 9 VAC 5-80-110)
2. The permittee shall perform a Method 5 stack test on the Erie City boiler (WWB) stack within 180 days of the issuance of this permit.
(9 VAC 5-80-110 K)
3. If testing is conducted in addition to the monitoring specified in this permit, the permittee shall use the following test methods in accordance with procedures approved by the DEQ as follows:

Pollutant	Test Method (40 CFR Part 60, Appendix A)
PM/PM10	EPA Method 5 or as required by DEQ
Visible Emission	EPA Method 9 or as required by DEQ

(9 VAC 5-80-110)

E. Reporting

1. The permittee shall report the results of any 40 CFR Part 60, Appendix A Method 9 visible emissions evaluation performed in accordance with Condition III.B.3. If the test indicates that the boiler is out of compliance with the opacity standard, the source shall also report the length of time associated with any exceedance of the standard and the corrective action taken to correct the exceedance. This report shall be sent to the Director, Piedmont Regional Office.
(9 VAC 50-50-50 and 9 VAC 5-80-110 E)
2. The results of the stack tests required by Condition III.D.2 shall be submitted to the Director, Piedmont Region within 45 days from the date the tests are conducted.
(9 VAC 5-8-110)
3. The permittee shall submit reports semi-annually to the Director, Piedmont Regional Office of the following:
 - a. Instances when the device used to measure differential pressure across the multicyclone is more than 20% below normal range and any corrective action taken;
 - b. Instances when the device used to measure flow across the scrubber is more than 20% below normal range and any corrective action taken;
 - c. Any month during which the calculated annual emissions from the boiler exceeds the standard listed in Condition III.A.4.

(9 VAC 5-80-110 B)

IV. Process Equipment Requirements – Cut-Up and Green End (EU ID#DB1, DB2, and CS)

A. Limitations

1. Visible emissions (excluding condensed water vapor/steam) from the Cut-Up and Green End (EU ID# DB1, DB2, and CS) shall not exceed 20 percent opacity except during one six-minute period in any one hour in which visible emissions shall not exceed 60 percent opacity.

(9 VAC 5-40-80 and 9 VAC 5-80-110)

2. Emissions from the operation of the debarkers (EU ID #DB1 and DB2) shall not exceed the limits specified below:

Particulate Matter	66.9 lbs/hr	(9 VAC 5-40-260)
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PM-10	66.9 lbs/hr	(9 VAC 5-40-260)
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(9 VAC 5-40-260 and 9 VAC 5-80-110)

3. Emissions from the operation of the Chip Screen (EU ID #CS) shall not exceed the limits specified below:

Particulate Matter	.05 gr/dscf	(9 VAC 5-40-2270)
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PM-10	.05 gr/dscf	(9 VAC 5-40-2270)
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(9 VAC 5-40-2270 and 5-80-110)

B. Monitoring

1. The debarkers, and chip screen (EU ID #DB1, DB2, and CS) shall be observed visually at least once each calendar week to determine if the emissions of each unit, excluding condensed water vapor/steam, are normal. Each unit observed having apparent abnormal visible emissions shall be followed up with a 40 CFR Appendix A Method 9 visible emissions evaluation unless the apparent abnormal condition is corrected as expeditiously as possible and recorded, and the apparent abnormal condition, its cause, and the corrective action measures taken are recorded. When conditions prevent taking opacity readings using 40 CFR 60 Appendix A Method 9, the permittee shall note the cause(s), such as: inclement weather conditions, steam plume interference, plume intermingling, and sun angle exceedance, and shall perform the Method 9 evaluation as soon as conditions permit.

(9 VAC 5-50-20)

C. Recordkeeping

The permittee shall maintain records of all emission data and operating parameters necessary to demonstrated compliance with this permit. The content of and format of such

records shall be arranged with the Director, Piedmont Region. These records shall include, but are not limited to:

1. Monthly and annual particulate emission calculations for DB1, DB2, and CS.
2. Results of visible emissions observations, any subsequent Method 9 visible emission evaluations, the cause of any abnormal and excess visible emissions, corrective measures taken to correct the excess visible emissions, and records of conditions which prevent Method 9 visible emission evaluations in the event of an apparently abnormal visible emission condition.
3. Results of any emissions testing.

These records shall be available on site for inspection by the DEQ and shall be current for the most recent five (5) years.
(9 VAC 5-80-110)

D. Testing

1. The permitted facility shall be constructed so as to allow for emissions testing at any time using appropriate methods. Upon request from the Department, test ports will be provided at the appropriate locations.
(9 VAC 5-40-30 and 9 VAC 5-80-110)
2. If testing is conducted in addition to the monitoring specified in this permit, the permittee shall use the following test methods in accordance with procedures approved by the DEQ as follows:

Pollutant	Test Method (40 CFR Part 60, Appendix A)
PM/PM10	EPA Method 5 or as required by the DEQ
Visible Emission	EPA Method 9 or as required by the DEQ

(9 VAC 5-80-110)

E. Reporting

1. The permittee shall report the results of any 40 CFR Part 60, Appendix A Method 9 visible emissions evaluation performed in accordance with Condition IV.B.1. If the test indicates that any emissions unit is out of compliance with the opacity standard, the source shall also report the length of time associated with any exceedance of the standard and the corrective action taken to correct the exceedance. This report shall be sent to the Director, Piedmont Regional Office.
(9 VAC 5-80-110 E)

V. Process Equipment Requirements – Veneer Dryers (EU ID #VD1, VD2, and VD3)

A. Limitations

1. The veneer dryers (EU ID # VD1, VD2, VD3) shall process no more than 375,000 x 10³ square feet per year (3/8" basis), calculated as the sum of each consecutive 12 month period.
(9 VAC 5-80-110, and Condition 4 of 06/03/03 Permit)
2. Visible emissions (excluding condensed water vapor/steam) from the operation of the Veneer Dryers (EU ID# VD1, VD2, VD3) shall not exceed 20 percent opacity as determined by EPA Method 9 (reference 40 CFR 60, Appendix A). This condition applies at all times except during startup, shutdown, and malfunction.
(9 VAC 5-50-80, 9 VAC 5-80-110, and Condition 9 of 06/03/03 Permit)
3. Emissions from the operation of the veneer dryers (EU ID #VD1, VD2, VD3) shall not exceed the limits specified below (annual emissions are to be calculated monthly as the sum of each consecutive 12-month period):

Particulate Matter	21.4 lbs/hr	76.9 tons/yr	(9 VAC 5-50-260)
PM-10	21.4 lbs/hr	76.9 tons/yr	(9 VAC 5-50-260)
Volatile Organic Compounds	47.9 lbs/hr	172.5 tons/yr	(9 VAC 5-50-260)
Carbon Monoxide	3.7 lbs/hr	13.3 tons/yr	(9 VAC 5-50-260)

(9 VAC 5-80-110, and Condition 7 of 06/03/03 Permit)

B. Monitoring

1. The exhaust from the veneer dryers (EU ID #VD1-VD3) shall be observed visually at least once each calendar week to determine if its emissions, excluding condensed water vapor/steam, are normal. Each unit observed having apparent abnormal visible emissions shall be followed up with a 40 CFR Appendix A Method 9 visible emissions evaluation unless the apparent abnormal condition is corrected as expeditiously as possible and recorded, and the apparent abnormal condition, its cause, and the corrective action measures taken are recorded. When conditions prevent taking opacity readings using 40 CFR 60 Appendix A Method 9, the permittee shall note the cause(s), such as: inclement weather conditions, steam plume interference, plume intermingling, and sun angle exceedance, and shall perform the Method 9 evaluation as soon as conditions permit.
(9 VAC 5-40-20, 9 VAC 5-50-20)

C. Recordkeeping

The permittee shall maintain records of all emission data and operating parameters necessary to demonstrated compliance with this permit. The content of and format of such records shall be arranged with the Director, Piedmont Region. These records shall include, but are not limited to:

1. Annual throughput of veneer in square feet, (3/8" basis) to the veneer dryers (EU ID # VD1, VD2, VD3) , calculated monthly as the sum of each consecutive twelve (12) month period.
2. Scheduled and unscheduled maintenance, and operator training.

These records shall be available on site for inspection by the DEQ and shall be current for the most recent five (5) years.

(9 VAC 5-80-110, and Condition 10 of 06/03/03 Permit)

D. Testing

1. The permitted facility shall be constructed so as to allow for emissions testing and monitoring upon reasonable notice at any time, using appropriate methods. Test ports shall be provided when requested at the appropriate locations.
(9 VAC 5-40-30, 9 VAC 5-50-30, and 9 VAC 5-80-110)
2. If testing is conducted in addition to the monitoring specified in this permit, the permittee shall use the following test methods in accordance with procedures approved by the DEQ as follows:

Pollutant	Test Method (40 CFR Part 60, Appendix A)
VOC	EPA Methods 25, 25a or as required by DEQ
PM/PM10	EPA Method 5 or as required by DEQ
Visible Emission	EPA Method 9 or as required by DEQ

(9 VAC 5-80-110)

E. Reporting

1. The permittee shall report the results of any 40 CFR Part 60, Appendix A Method 9 visible emissions evaluation performed in accordance with Condition V.B.1. If the test indicates that any emissions unit is out of compliance with the opacity standard, the source shall also report the length of time associated with any exceedance of the standard and the corrective action taken to correct the exceedance. This report shall be sent to the Director, Piedmont Regional Office.

(9 VAC 5-80-110 E)

VI. Equipment Requirements – Veneer Conditioning Chamber (EU ID # VCC)

A. Limitations

1. The veneer conditioning chamber (EU ID# VCC) shall process no more than 23,200 x 10³ square feet per year (3/8" basis), calculated monthly as the sum of each consecutive 12 month period.
(9 VAC 5-80-110, and condition 3 of 06/03/03 Permit)
2. Visible emissions (excluding condensed water vapor/steam) from the operation of the veneer conditioning chamber shall not exceed 20 percent opacity as determined by EPA Method 9 (reference 40 CFR 60, Appendix A). This condition applies at all times except during startup, shutdown, and malfunction.
(9 VAC 5-50-80 and 9 VAC 5-80-110, and Condition 9 of 06/03/03 Permit)
3. Emissions from the operation of the veneer conditioning chamber (EU ID# VCC) shall not exceed the limits specified below (annual emissions are to be calculated monthly as the sum of each consecutive 12 month period):

Volatile Organic Compounds	0.6 lbs/hr	2.7 tons/yr
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(9 VAC 5-50-260, and Condition 6 of 06/03/03 Permit)

B. Monitoring

1. The exhaust from the veneer conditioning chamber (EU ID# VCC) shall be observed visually at least once each calendar week to determine if its emissions, excluding condensed water vapor/steam, are normal. Each unit observed having apparent abnormal visible emissions shall be followed up with a 40 CFR Appendix A Method 9 visible emissions evaluation unless the apparent abnormal condition is corrected as expeditiously as possible and recorded, and the apparent abnormal condition, its cause, and the corrective action measures taken are recorded. When conditions prevent taking opacity readings using 40 CFR 60 Appendix A Method 9, the permittee shall note the cause(s), such as: inclement weather conditions, steam plume interference, plume intermingling, and sun angle exceedance, and shall perform the Method 9 evaluation as soon as conditions permit.
(9 VAC 5-40-20, 9 VAC 5-50-20)

C. Recordkeeping

The permittee shall maintain records of all emission data and operating parameters necessary to demonstrate compliance with this permit. The content of and format of such records shall be arranged with the Director, Piedmont Region. These records shall include, but are not limited to:

1. Annual throughput of veneer in square feet, (3/8" basis) to the veneer conditioning chamber (EU ID# VCC), calculated monthly as the sum of each consecutive 12 month period.
2. Scheduled and unscheduled maintenance, and operator training.

These records shall be available on site for inspection by the DEQ and shall current for the most recent five years.

(9 VAC 5-80-110, and Condition 10 of 06/03/03 Permit)

D. Testing

1. The permitted facility shall be constructed so as to allow for emissions testing and monitoring upon reasonable notice at any time, using appropriate methods. Test ports shall be provided when requested at the appropriate locations.
(9 VAC 5-40-30, 9 VAC 5-50-30, and 9 VAC 5-80-110)
2. If testing is conducted in addition to the monitoring specified in this permit, the permittee shall use the following test methods in accordance with procedures approved by the DEQ as follows:

Pollutant	Test Method (40 CFR Part 60, Appendix A)
VOC	EPA Methods 25, 25a or as required by DEQ
PM/PM10	EPA Method 5 or as required by DEQ
Visible Emission	EPA Method 9 or as required by DEQ

(9 VAC 5-80-110)

E. Reporting

1. The permittee shall report the results of any 40 CFR Part 60, Appendix A Method 9 visible emissions evaluation performed in accordance with Condition V.B.1. If the test indicates that any emissions unit is out of compliance with the opacity standard, the source shall also report the length of time associated with any exceedance of the standard and the corrective action taken to correct the exceedance. This report shall be sent to the Director, Piedmont Regional Office.
(9 VAC 5-80-110 E)

VII. Equipment Requirements – Plywood Presses (EU ID #P1, P2, and P3)

A. Limitations

1. The presses shall process no more than 395.0 million sq ft/yr (3/8" basis), calculated monthly as the sum of each consecutive 12-month period.
(9 VAC 5-80-1180, and Condition 5 of 06/03/03 Permit)
2. Visible emissions (excluding condensed water vapor/steam) from the plywood presses (EU ID #P1, P2, and P3) shall not exceed 20 percent opacity except during one six-minute period in any one hour in which visible emissions shall not exceed 60 percent opacity.
(9 VAC 5-40-80 and 9 VAC 5-80-110, and Condition 9 of 06/30/03 Permit)
3. Emissions from the operation of the plywood presses (EU ID #P1, P2, and P3) shall not exceed the limits specified below (combined, annual emissions calculated as the sum of each consecutive 12-month period):

Particulate Matter	1.5 lbs/hr	4.8 tons/yr	(9 VAC 5-40-260)
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PM-10	1.5 lbs/hr	4.8 tons/yr	(9 VAC 5-40-260)
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Volatile Organic Compounds	9.3 lbs/hr	29.6 tons/yr	(9 VAC 5-40-260)
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(9 VAC 5-40-260, 9 VAC 5-80-110 and Condition 8 of 06/03/03 Permit)

B. Monitoring

1. The plywood presses (EU ID #P1-P3) shall be observed visually at least once each calendar week to determine if its emissions, excluding condensed water vapor/steam, are normal. Each unit observed having apparent abnormal visible emissions shall be followed up with a 40 CFR Appendix A Method 9 visible emissions evaluation unless the apparent abnormal condition is corrected as expeditiously as possible and recorded, and the apparent abnormal condition, its cause, and the corrective action measures taken are recorded. When conditions prevent taking opacity readings using 40 CFR 60 Appendix A Method 9, the permittee shall note the cause(s), such as: inclement weather conditions, steam plume interference, plume intermingling, and sun angle exceedance, and shall perform the Method 9 evaluation as soon as conditions permit.
(9 VAC 5-40-20, 9 VAC 5-50-20)

C. Recordkeeping

The permittee shall maintain records of all emission data and operating parameters necessary to demonstrated compliance with this permit. The content of and format of such records shall be arranged with the Director, Piedmont Region. These records shall include, but are not limited to:

1. Records of current equipment throughput capacity and emission factors for the plywood presses, to demonstrate compliance with Condition VII.A.2.
2. Results of visible emissions observations, any subsequent Method 9 visible emission evaluations, the cause of any abnormal and excess visible emissions, corrective measures taken to correct the excess visible emissions, and records of conditions which prevent Method 9 visible emission evaluations in the event of an apparently abnormal visible emission condition.

These records shall be available on site for inspection by the DEQ and shall be current for the most recent five (5) years.

(9 VAC 5-80-110, and Condition 10 of 06/03/03 Permit)

D. Testing

1. The permitted facility shall be constructed so as to allow for emissions testing at any time using appropriate methods. Upon request from the Department, test ports will be provided at the appropriate locations.
(9 VAC 5-40-30, 9 VAC 5-50-30, and 9 VAC 5-80-110)
2. If testing is conducted in addition to the monitoring specified in this permit, the permittee shall use the following test methods in accordance with procedures approved by the DEQ as follows:

Pollutant	Test Method (40 CFR Part 60, Appendix A)
PM/PM10	EPA Method 5 or as required by DEQ
Visible Emission	EPA Method 9 or as required by DEQ

(9 VAC 5-80-110)

E. Reporting

1. The permittee shall report the results of any 40 CFR Part 60, Appendix A Method 9 visible emissions evaluation performed in accordance with Condition VI.B.1. If the test indicates that any emissions unit is out of compliance with the opacity standard, the source shall also report the length of time associated with any exceedance of the standard and the corrective action taken to correct the exceedance. This report shall be sent to the Director, Piedmont Regional Office.
(9 VAC 5-80-110 E)

VIII. Process Equipment Requirements – Dry Waste Transfer System (EU ID #CTL)

A. Limitations

1. Visible emissions (excluding condensed water vapor/steam) from the Dry Waste Transfer System (EU ID# CTL) shall not exceed 20 percent opacity except during one six-minute period in any one hour in which visible emissions shall not exceed 60 percent opacity. (9 VAC 5-40-80 and 9 VAC 5-80-110)
2. Emissions from the operation of the Dry Waste Transfer System (EU ID #CTL) shall not exceed the limits specified below:

Particulate Matter .05 gr/dscf (9 VAC 5-40-2270)

PM-10 .05 gr/dscf (9 VAC 5-40-2270)

(9 VAC 5-40-2270 and 5-80-110)

B. Monitoring

1. The dry waste transfer system baghouse (PCD ID #BH2) shall be observed visually at least once each calendar week to determine if its emissions, excluding condensed water vapor/steam, are normal. Each unit observed having apparent abnormal visible emissions shall be followed up with a 40 CFR Appendix A, Method 9 visible emissions evaluation unless the apparent abnormal condition is corrected as expeditiously as possible and recorded, and the apparent abnormal condition, its cause, and the corrective action measures taken are recorded. When conditions prevent taking opacity readings using 40 CFR 60 Appendix A, Method 9, the permittee shall note the cause(s), such as: inclement weather conditions, steam plume interference, plume intermingling, and sun angle exceedance, and shall perform the Method 9 evaluation as soon as conditions permit. (9 VAC 5-50-20)

C. Recordkeeping

The permittee shall maintain records of all emission data and operating parameters necessary to demonstrated compliance with this permit. The content of and format of such records shall be arranged with the Director, Piedmont Region. These records shall include, but are not limited to:

1. Results of visible emissions observations, any subsequent Method 9 visible emission evaluations, the cause of any abnormal and excess visible emissions, corrective measures taken to correct the excess visible emissions, and records of conditions which prevent Method 9 visible emission evaluations in the event of an apparently abnormal visible emission condition.

These records shall be available on site for inspection by the DEQ and shall be current for the most recent five (5) years.

(9 VAC 5-80-110)

D. Testing

1. The permitted facility shall be constructed so as to allow for emissions testing at any time using appropriate methods. Upon request from the Department, test ports will be provided at the appropriate locations.
(9 VAC 5-40-30 and 9 VAC 5-80-110)
2. If testing is conducted in addition to the monitoring specified in this permit, the permittee shall use the following test methods in accordance with procedures approved by the DEQ as follows:

Pollutant	Test Method (40 CFR Part 60, Appendix A)
PM/PM10	EPA Method 5 or as required by DEQ
Visible Emission	EPA Method 9 or as required by DEQ

(9 VAC 5-80-110)

E. Reporting

The permittee shall report the results of any 40 CFR Part 60, Appendix A Method 9 visible emissions evaluation performed in accordance with Condition VII.B.1. If the test indicates that any emissions unit is out of compliance with the opacity standard, the source shall also report the length of time associated with any exceedance of the standard and the corrective action taken to correct the exceedance. This report shall be sent to the Director, Piedmont Regional Office.

(9 VAC 5-80-110 E)

IX. Process Equipment Requirements – Specialty Lines Sander (EU ID #SDR)

A. Limitations

1. Visible emissions (excluding condensed water vapor/steam) from the Sander (EU ID# SDR) shall not exceed 20 percent opacity except during one six-minute period in any one hour in which visible emissions shall not exceed 60 percent opacity.
(9 VAC 5-40-80 and 9 VAC 5-80-110)

2. Emissions from the operation of the Sander (EU ID #SDR) shall not exceed the limits specified below:

Particulate Matter .05 gr/dscf (9 VAC 5-40-2270)

PM-10 .05 gr/dscf (9 VAC 5-40-2270)

(9 VAC 5-40-2270 and 5-80-110)

B. Monitoring

1. The sander baghouse (PCD ID #BH1) shall be observed visually at least once each calendar week to determine if its emissions, excluding condensed water vapor/steam, are normal. Each unit observed having apparent abnormal visible emissions shall be followed up with a 40 CFR Appendix A, Method 9 visible emissions evaluation unless the apparent abnormal condition is corrected as expeditiously as possible and recorded, and the apparent abnormal condition, its cause, and the corrective action measures taken are recorded. When conditions prevent taking opacity readings using 40 CFR 60 Appendix A, Method 9, the permittee shall note the cause(s), such as: inclement weather conditions, steam plume interference, plume intermingling, and sun angle exceedance, and shall perform the Method 9 evaluation as soon as conditions permit.
(9 VAC 5-50-20)

C. Recordkeeping

The permittee shall maintain records of all emission data and operating parameters necessary to demonstrate compliance with this permit. The content of and format of such records shall be arranged with the Director, Piedmont Region. These records shall include, but are not limited to:

1. Results of visible emissions observations, any subsequent Method 9 visible emission evaluations, the cause of any abnormal and excess visible emissions, corrective measures taken to correct the excess visible emissions, and records of conditions which prevent Method 9 visible emission evaluations in the event of an apparently abnormal visible emission condition.

These records shall be available on site for inspection by the DEQ and shall be current for the most recent five (5) years.
(9 VAC 5-80-110)

D. Testing

1. The permitted facility shall be constructed so as to allow for emissions testing at any time using appropriate methods. Upon request from the Department, test ports will be provided at the appropriate locations.
(9 VAC 5-40-30 and 9 VAC 5-80-110)
2. If testing is conducted in addition to the monitoring specified in this permit, the permittee shall use the following test methods in accordance with procedures approved by the DEQ as follows:

Pollutant	Test Method (40 CFR Part 60, Appendix A)
PM/PM10	EPA Method 5 or as required by DEQ
Visible Emission	EPA Method 9 or as required by DEQ

(9 VAC 5-80-110)

E. Reporting

1. The permittee shall report the results of any 40 CFR Part 60, Appendix A Method 9 visible emissions evaluation performed in accordance with Condition VIII.B.1. If the test indicates that any emissions unit is out of compliance with the opacity standard, the source shall also report the length of time associated with any exceedance of the standard and the corrective action taken to correct the exceedance. This report shall be sent to the Director, Piedmont Regional Office.
(9 VAC 5-80-110 E)

X. Process Equipment Requirements – Central Truck Loading Bin (EU ID #CTLB)

A. Limitations

1. Visible emissions (excluding condensed water vapor/steam) from the Central Truck Loading Bin shall not exceed 20 percent opacity as determined by EPA Method 9 (reference 40 CFR 60, Appendix A), except during one six minute period in any one hour, in which opacity shall not exceed 60 percent.
(9 VAC 5-40-80 and 9 VAC 5-80-110)
2. Emissions from the operation of Central Truck Loading Bin (EU ID #CTLB) shall not exceed the limits specified below (annual emissions are to be calculated monthly as the sum of the each consecutive 12-month period):

Particulate Matter 8.6 lbs/hr (9 VAC 5-40-260)

PM-10 8.6 lbs/hr (9 VAC 5-40-260)

(9 VAC 5-80-110)

B. Monitoring

1. The Central Truck Loading Bin (EU ID #CTLB) shall be observed visually at least once each calendar week to determine if its emissions, excluding condensed water vapor/steam, are normal. Each unit observed having apparent abnormal visible emissions shall be followed up with a 40 CFR Appendix A Method 9 visible emissions evaluation unless the apparent abnormal condition is corrected as expeditiously as possible and recorded, and the apparent abnormal condition, its cause, and the corrective action measures taken are recorded. When conditions prevent taking opacity readings using 40 CFR 60 Appendix A Method 9, the permittee shall note the cause(s), such as: inclement weather conditions, steam plume interference, plume intermingling, and sun angle exceedance, and shall perform the Method 9 evaluation as soon as conditions permit.
(9 VAC 5-40-20, 9 VAC 5-50-20)

C. Recordkeeping

The permittee shall maintain records of all emission data and operating parameters necessary to demonstrated compliance with this permit. The content of and format of such records shall be arranged with the Director, Piedmont Region. These records shall include, but are not limited to:

1. Results of visible emissions observations, any subsequent Method 9 visible emission evaluations, the cause of any abnormal and excess visible emissions, corrective measures taken to correct the excess visible emissions, and records of conditions which prevent Method 9 visible emission evaluations in the event of an apparently abnormal visible emission condition.

These records shall be available on site for inspection by the DEQ and shall be current for the most recent five (5) years.
(9 VAC 5-80-110)

D. Testing

1. The permitted facility shall be constructed so as to allow for emissions testing at any time using appropriate methods. Upon request from the Department, test ports will be provided at the appropriate locations.
(9 VAC 5-40-30, 9 VAC 5-50-30, and 9 VAC 5-80-110)
2. If testing is conducted in addition to the monitoring specified in this permit, the permittee shall use the following test methods in accordance with procedures approved by the DEQ as follows:

Pollutant	Test Method (40 CFR Part 60, Appendix A)
PM/PM10	EPA Method 5 or as required by DEQ
Visible Emission	EPA Method 9 or as required by DEQ

(9 VAC 5-80-110)

E. Reporting

1. The permittee shall report the results of any 40 CFR Part 60, Appendix A Method 9 visible emissions evaluation performed in accordance with Condition IX.B.1. If the test indicates that any emissions unit is out of compliance with the opacity standard, the source shall also report the length of time associated with any exceedance of the standard and the corrective action taken to correct the exceedance. This report shall be sent to the Director, Piedmont Regional Office.
(9 VAC 5-80-110 E)

XI. Facility Wide Conditions

A. Limitations

1. In order to minimize the duration and frequency of excess emissions, including visible emissions, due to malfunctions of process equipment or air pollution control equipment, the permittee shall:
 - a. Develop a maintenance schedule and maintain records of all scheduled and non-scheduled maintenance. These records shall be maintained on site for a period of five (5) years and shall be made available to the DEQ upon request.
 - b. Maintain an inventory of spare parts that are needed to minimize duration of air pollution control equipment breakdowns.

(9 VAC 5-50-20, and 9 VAC 5-80-110)
2. The permittee shall have available written operating procedures for the related air pollution control equipment. Operators shall be trained in the proper operation of all such equipment and shall be familiar with the written operating procedures. These procedures shall be based on the manufacturer's recommendations, at minimum. The permittee shall maintain records of training provided, including names of trainees, date of training, and nature of training.

(9 VAC 5-50-20)
3. Existing Source Standard for Visible Emissions – Except where otherwise specified in this permit, the permittee shall not cause or permit to be discharged into the atmosphere from any affected facility any visible emissions which exhibit greater than 20% opacity, except for one six-minute period in any one hour of not more than 60% opacity as determined by EPA Method 9 (reference 40 CFR 60, Appendix A). Failure to meet the requirements of this section because of the presence of water vapor shall not be a violation of this section.

(9 VAC 5-50-80 and 9 VAC 5-80-110)
4. Start-up, Shutdown, and Malfunction – At all times, including periods of startup, shutdown and malfunction, owners shall, to the extent practicable, maintain and operate any affected facility including associated air pollution control equipment in a manner consistent with air pollution control practices for minimizing emissions. Determination of whether acceptable operating and maintenance procedures are being used will be based on information available to the Board, which may include, but is not limited to, monitoring results, opacity observations, review of operating and maintenance procedures, and inspection of the source.

(9 VAC 5-50-20 and 9 VAC 5-80-110)

B. Monitoring and Recordkeeping

1. The permittee shall maintain records of all emission data and operating parameters necessary to demonstrated compliance with this permit. The content of and format of

such records shall be arranged with the Director, Piedmont Region. These records shall include, but are not limited to:

- a. Maintenance and operator training records for air pollution control equipment.
- b. Opacity records.
- c. Emissions data, including emission factors and throughput data.

These records shall be available on site for inspection by the DEQ and shall be current for the most recent five (5) years.
(9 VAC 5-50-50 and 9 VAC 5-80-110)

C. Testing

1. The permitted facility shall be constructed so as to allow for emissions testing at any time using appropriate methods. Upon request from the Department, test ports will be provided at the appropriate locations.
(9 VAC 5-40-30, 9 VAC 5-50-30 and 9 VAC 5-80-110)
2. If testing is conducted in addition to the monitoring specified in this permit, the permittee shall use the following test methods in accordance with procedures approved by the DEQ as follows:

Pollutant	Test Method (40 CFR Part 60, Appendix A)
VOC	EPA Methods 25, 25a or as required by DEQ
NOx	EPA Method 7 or as required by DEQ
SO2	EPA Method 6 or as required by DEQ
CO	EPA Method 10 or as required by DEQ
PM/PM10	EPA Method 5 or as required by DEQ
Visible Emission	EPA Method 9 or as required by DEQ

(9 VAC 5-80-110)

XII. Insignificant Emission Units

The following emission units at the facility are identified in the application as insignificant emission units under 9 VAC 5-80-720:

Emission Unit No.	Emission Unit Description	Citation	Pollutant(s) Emitted (5-80-720 B)	Rated Capacity (5-80-720 C)
FCS	First-Cut Saw	9 VAC 5-80-720 B	PM/PM-10	
CUS	Cut-Up Saws	9 VAC 5-80-720 B	PM/PM-10	
CS-C1, CS-C2	Chip Screen Relay Cyclones	9 VAC 5-80-720 B	PM/PM-10	
CV-1 through CV-10	Conveyors	9 VAC 5-80-720 B	PM/PM-10	
VD2, VD3 (C4)	Vacuum Exhaust Cyclone	9 VAC 5-80-720 B	PM/PM-10	
GL1, GL2	Glue Lines No. 1 & 2	9 VAC 5-80-720 B	VOC	
T #'s	Tanks	9 VAC 5-80-720	VOC	varies
FH	Fuel House Bark Unloading	9 VAC 5-80-720 B	PM/PM-10	
CTB	Chip Truck Bin	9 VAC 5-80-720 B	PM/PM-10	
UPRD	Unpaved Roads	9 VAC 5-80-720 B	PM/PM-10	
PM	Plywood Mill Fugitive Emissions	9 VAC 5-80-720 B	PM/PM-10 VOC	

These emission units are presumed to be in compliance with all requirements of the federal Clean Air Act as may apply. Based on this presumption, no monitoring, recordkeeping, or reporting shall be required for these emission units in accordance with 9 VAC 5-80-110.

XIII. Permit Shield & Inapplicable Requirements

Compliance with the provisions of this permit shall be deemed compliance with all applicable requirements in effect as of the permit issuance date as identified in this permit. This permit shield covers only those applicable requirements covered by terms and conditions in this permit and the following requirements which have been specifically identified as being not applicable to this permitted facility:

Citation	Title of Citation	Description of applicability
40 CFR 60, Subpart Db	New Source Performance Standards	Boilers with a maximum heat input capacity of 100-250 MMBtu/hr, constructed after September 18, 1978 The Keeler boiler at this facility was constructed prior to September 18, 1978.

Nothing in this permit shield shall alter the provisions of § 303 of the federal Clean Air Act, including the authority of the administrator under that section, the liability of the owner for any violation of applicable requirements prior to or at the time of permit issuance, or the ability to obtain information by the administrator pursuant to § 114 of the federal Clean Air Act, (ii) the Board pursuant to § 10.1-1314 or § 10.1-1315 of the Virginia Air Pollution Control Law or (iii) the Department pursuant to § 10.1-1307.3 of the Virginia Air Pollution Control Law.
(9 VAC 5-80-140)

XIV. General Conditions

A. Federal Enforceability

All terms and conditions in this permit are enforceable by the administrator and citizens under the federal Clean Air Act, except those that have been designated as only state-enforceable. (9 VAC 5-80-110 N)

B. Permit Expiration

This permit has a fixed term of five years. The expiration date shall be the date five years from the date of issuance. Unless a timely and complete renewal application consistent with 9 VAC 5-80-80, has been submitted, to the Department, by the owner, the right of the facility to operate shall be terminated upon permit expiration.

1. The owner shall submit an application for renewal at least six months but no earlier than eighteen months prior to the date of permit expiration.
2. If an applicant submits a timely and complete application for an initial permit or renewal under this section, the failure of the source to have a permit or the operation of the source without a permit shall not be a violation of Article 1, Part II of 9 VAC 5 Chapter 80, until the Board takes final action on the application under 9 VAC 5-80-150.
3. No source shall operate after the time that it is required to submit a timely and complete application under subsections C and D of 9 VAC 5-80-80 for a renewal permit, except in compliance with a permit issued under Article 1, Part II of 9 VAC 5 Chapter 80.
4. If an applicant submits a timely and complete application under section 9 VAC 5-80-80 for a permit renewal but the Board fails to issue or deny the renewal permit before the end of the term of the previous permit, (i) the previous permit shall not expire until the renewal permit has been issued or denied and (ii) all the terms and conditions of the previous permit, including any permit shield granted pursuant to 9 VAC 5-80-140, shall remain in effect from the date the application is determined to be complete until the renewal permit is issued or denied.
5. The protection under subsections F 1 and F 5 (ii) of section 9 VAC 5-80-80 F shall cease to apply if, subsequent to the completeness determination made pursuant section 9 VAC 5-80-80 D, the applicant fails to submit by the deadline specified in writing by the Board any additional information identified as being needed to process the application.

(9 VAC 5-80-80 B, C and F, 9 VAC 5-80-110 D and 9 VAC 5-80-170 B)

C. Recordkeeping and Reporting

1. All records of monitoring information maintained to demonstrate compliance with the terms and conditions of this permit shall contain, where applicable, the following:
 - a. The date, place as defined in the permit, and time of sampling or measurements.
 - b. The date(s) analyses were performed.

- c. The company or entity that performed the analyses.
- d. The analytical techniques or methods used.
- e. The results of such analyses.
- f. The operating conditions existing at the time of sampling or measurement.

(9 VAC 5-80-110 F)

- 2. Records of all monitoring data and support information shall be retained for at least five years from the date of the monitoring sample, measurement, report, or application. Support information includes all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by the permit.

(9 VAC 5-80-110 F)

- 3. The permittee shall submit the results of monitoring contained in any applicable requirement to DEQ no later than **March 1** and **September 1** of each calendar year. This report must be signed by a responsible official, consistent with 9 VAC 5-80-80 G, and shall include:
 - a. The time period included in the report. The time periods to be addressed are January 1 to June 30 and July 1 to December 31.
 - b. All deviations from permit requirements. For purposes of this permit, a deviation means any condition determined by observation, data from any monitoring protocol or any other monitoring which is required by the permit that can be used to determine compliance. Deviations include exceedances documented by continuous emission monitoring or excursions from control performance indicators documented through periodic or compliance assurance monitoring.

(9 VAC 5-80-110 F)

D. Annual Compliance Certification

Exclusive of any reporting required to assure compliance with the terms and conditions of this permit or as part of a schedule of compliance contained in this permit, the permittee shall submit to EPA and DEQ no later than **March 1** each calendar year a certification of compliance with all terms and conditions of this permit including emission limitation standards or work practices. The compliance certification shall comply with such additional requirements that may be specified pursuant to § 114(a)(3) and § 504(b) of the federal Clean Air Act. This certification shall be signed by a responsible official, consistent with 9 VAC 5-80-80 G, and shall include:

- 1. The time period included in the certification. The time period to be addressed is January 1 to December 31.
- 2. A description of the means for assessing or monitoring the compliance of the source with its emissions limitations, standards, and work practices.

3. The identification of each term or condition of the permit that is the basis of the certification.
4. Consistent with subsection 9 VAC 5-80-110 E, the method or methods used for determining the compliance status of the source at the time of certification and over the certification period.
5. Whether compliance was continuous or intermittent, and if not continuous, documentation of each incident of non-compliance.
6. The status of compliance with the terms and conditions of this permit for the certification period.
7. Such other facts as the permit may require to determine the compliance status of the source.

One copy of the annual compliance certification shall be sent to EPA at the following address:

Clean Air Act Title V Compliance Certification (3AP00)
U.S. Environmental Protection Agency, Region III
1650 Arch Street
Philadelphia, PA 19103-2029.

(9 VAC 5-80-110 K.5)

E. Permit Deviation Reporting

The permittee shall report by the next business day any deviations from permit requirements or any excess emissions, including those attributable to upset conditions as defined in this permit, the probable cause of such deviations, and any corrective actions or preventive measures taken.

(9 VAC 5-80-110 F.2)

F. Failure/Malfunction Reporting

In the event that any affected facility or related air pollution control equipment fails or malfunctions in such a manner that may cause excess emissions for more than one hour, the owner shall, as soon as practicable but no later than four daytime business hours, notify the Director, Piedmont Region by facsimile transmission, telephone or telegraph of such failure or malfunction and shall within two weeks provide a written statement giving all pertinent facts, including the estimated duration of the breakdown. Owners subject to the requirements of 9 VAC 5-40-50 C and 9 VAC 5-50-50 C are not required to provide the written statement prescribed in this paragraph for facilities subject to the monitoring requirements of 9 VAC 5-40-40 and 9 VAC 5-50-40. When the condition causing the failure or malfunction has been corrected and the equipment is again in operation, the owner shall notify the Director, Piedmont Region.

1. Each owner required to install a continuous monitoring system subject to 9 VAC 5-40-41 or 9 VAC 5-50-410 shall submit a written report of excess emissions (as defined in the applicable emission standard) to the board for every calendar quarter. All quarterly reports shall be postmarked by the 30th day following the end of each calendar quarter and shall include the following information:
 - a. The magnitude of excess emissions computed in accordance with 40 CFR 60.13(h) or 9 VAC 5-40-41 B 6, any conversion factors used, and the date and time of commencement and completion of each period of excess emissions;
 - b. Specific identification of each period of excess emissions that occurs during startups, shutdowns, and malfunctions of the source. The nature and cause of any malfunction (if known), the corrective action taken or preventative measures adopted;
 - c. The date and time identifying each period during which the continuous monitoring system was inoperative except for zero and span checks and the nature of the system repairs or adjustments; and
 - d. When no excess emissions have occurred or the continuous monitoring systems have not been inoperative, repaired or adjusted, such information shall be stated in the report.
2. All emission units not subject to 9 VAC 5-40-50 C and 9 VAC 5-50-50 C must make written reports within two weeks of the malfunction occurrence.

(9 VAC 5-20-180 C and 9 VAC 5-50-50)

G. Severability

The terms of this permit are severable. If any condition, requirement or portion of the permit is held invalid or inapplicable under any circumstance, such invalidity or inapplicability shall not affect or impair the remaining conditions, requirements, or portions of the permit.
(9 VAC 5-80-110 G.1)

H. Duty to Comply

The permittee shall comply with all terms and conditions of this permit. Any permit noncompliance constitutes a violation of the federal Clean Air Act or the Virginia Air Pollution Control Law or both and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application.
(9 VAC 5-80-110 G.2)

I. Need to Halt or Reduce Activity not a Defense

It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.
(9 VAC 5-80-110 G.3)

J. Permit Action for Cause

1. This permit may be modified, revoked, reopened, and reissued, or terminated for cause as specified in 9 VAC 5-80-110 L, 9 VAC 5-80-240 and 9 VAC 5-80-260. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition.
(9 VAC 5-80-110 G.4)
2. Such changes that may require a permit modification and/or revisions include, but are not limited to, the following:
 - a. Erection, fabrication, installation, addition, or modification of an emissions unit (which is the source, or part of it, which emits or has the potential to emit any regulated air pollutant), or of a source, where there is, or there is the potential of, a resulting emissions increase;
 - b. Reconstruction or replacement of any emissions unit or components thereof such that its capital cost exceeds 50% of the cost of a whole new unit;
 - c. Any change at a source which causes emission of a pollutant not previously emitted, an increase in emissions, production, throughput, hours of operation, or fuel use greater than those allowed by the permit, or by 9 VAC 5-80-11, unless such an increase is authorized by an emission cap; or any change at a source which causes an increase in emissions resulting from a reduction in control efficiency, unless such an increase is authorized by an emissions cap;
 - d. Any reduction of the height of a stack or of a point of emissions, or the addition of any obstruction which hinders the vertical motion of exhaust;
 - e. Any change at the source which affects its compliance with conditions in this permit, including conditions relating to monitoring, recordkeeping, and reporting;
 - f. Addition of an emissions unit which qualifies as insignificant by emissions rate (9 VAC 5-80-720 B) or by size or production rate (9 VAC 5-80-720 C);
 - g. Any change in insignificant activities, as defined by 9 VAC 5-80-90 D.1.a(1) and by 9 VAC 5-80-720 B and 9 VAC 5-80-720 C.

(9 VAC 5-80-110 G, 9 VAC 5-80-110 J, 9 VAC 5-80-240, and 9 VAC 5-80-260)

K. Property Rights

The permit does not convey any property rights of any sort, or any exclusive privilege.
(9 VAC 5-80-110 G.5)

L. Duty to Submit Information

1. The permittee shall furnish to the board, within a reasonable time, any information that the board may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee shall also furnish to the board copies of records required to be kept by the permit and, for information claimed to be confidential, the permittee shall furnish such records to the board along with a claim of confidentiality. (9 VAC 5-80-110 G.6)
2. Any document (including reports) required in a permit condition to be submitted to the board shall contain a certification by a responsible official that meets the requirements of 9 VAC 5-80-80 G. (9 VAC 5-80-110 K.1)

M. Duty to Pay Permit Fees

The owner of any source for which a permit under 9 VAC 5-80-50 through 9 VAC 5-80-305 was issued shall pay permit fees consistent with the requirements of 9 VAC 5-80-310 through 9 VAC 5-80-355. (9 VAC 5-80-110 H)

N. Fugitive Dust Emission Standards

During the operation of a stationary source or any other building, structure, facility or installation, no owner or other person shall cause or permit any materials or property to be handled, transported, stored, used, constructed, altered, repaired, or demolished without taking reasonable precautions to prevent particulate matter from becoming airborne. Such reasonable precautions may include, but are not limited, to the following:

1. Use, where possible, of water or chemicals for control of dust in the demolition of existing buildings or structures, construction operations, the grading of roads, or the clearing of land;
2. Application of asphalt, oil, water, or suitable chemicals on dirt roads, materials stockpiles, and other surfaces which may create airborne dust; the paving of roadways and the maintaining of them in a clean condition;
3. Installation and use of hoods, fans, and fabric filters to enclose and vent the handling of dusty material. Adequate containment methods shall be employed during sandblasting or other similar operations;
4. Open equipment for conveying or transporting material likely to create objectionable air pollution when airborne shall be covered or treated in an equally effective manner at all times when in motion; and
5. The prompt removal of spilled or traced dirt or other materials from paved streets and of dried sediments resulting from soil erosion.

(9 VAC 5-50-50)

O. Startup, Shutdown, and Malfunction

At all times, including periods of startup, shutdown, soot blowing, and malfunction, owners shall, to the extent practicable, maintain and operate any affected facility including associated air pollution control equipment in a manner consistent with air pollution control practices for minimizing emissions. Determination of whether acceptable operating and maintenance procedures are being used will be based on information available to the board, which may include, but is not limited to, monitoring results, opacity observations, review of operating and maintenance procedures, and inspection of the source.
(9 VAC 5-50-20)

P. Alternative Operating Scenarios

Contemporaneously with making a change between reasonably anticipated operating scenarios identified in this permit, the permittee shall record in a log at the permitted facility a record of the scenario under which it is operating. The permit shield described in 9 VAC 5-80-140 shall extend to all terms and conditions under each such operating scenario. The terms and conditions of each such alternative scenario shall meet all applicable requirements including the requirements of 9 VAC 5 Chapter 80 Article 1.
(9 VAC 5-80-110 J)

Q. Inspection and Entry Requirements

The permittee shall allow DEQ, upon presentation of credentials and other documents as may be required by law, to perform the following:

1. Enter upon the premises where the source is located or emissions-related activity is conducted, or where records must be kept under the terms and conditions of the permit.
2. Have access to and copy, at reasonable times, any records that must be kept under the terms and conditions of the permit.
3. Inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit.
4. Sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit or applicable requirements.

(9 VAC 5-80-110 K.2)

R. Reopening For Cause

The permit shall be reopened by the board if additional federal requirements become applicable to a major source with a remaining permit term of three or more years. Such a reopening shall be completed not later than 18 months after promulgation of the applicable requirement. No such reopening is required if the effective date of the requirement is later than the date on which the permit is due to expire, unless the original permit or any of its terms and conditions has been extended pursuant to 9 VAC 5-80-80 F.

1. The permit shall be reopened if the board or the administrator determines that the permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of the permit.
2. The permit shall be reopened if the administrator or the board determines that the permit must be revised or revoked to assure compliance with the applicable requirements.
3. The permit shall not be reopened by the board if additional applicable state requirements become applicable to a major source prior to the expiration date established under 9 VAC 5-80-110 D.

(9 VAC 5-80-110 L)

S. Permit Availability

Within five days after receipt of the issued permit, the permittee shall maintain the permit on the premises for which the permit has been issued and shall make the permit immediately available to DEQ upon request.

(9 VAC 5-80-150 E)

T. Transfer of Permits

1. No person shall transfer a permit from one location to another, unless authorized under 9 VAC 5-80-130, or from one piece of equipment to another.
(9 VAC 5-80-160)
2. In the case of a transfer of ownership of a stationary source, the new owner shall comply with any current permit issued to the previous owner. The new owner shall notify the board of the change in ownership within 30 days of the transfer and shall comply with the requirements of 9 VAC 5-80-200.
(9 VAC 5-80-160)
3. In the case of a name change of a stationary source, the owner shall comply with any current permit issued under the previous source name. The owner shall notify the board of the change in source name within 30 days of the name change and shall comply with the requirements of 9 VAC 5-80-200.
(9 VAC 5-80-160)

U. Malfunction as an Affirmative Defense

1. A malfunction constitutes an affirmative defense to an action brought for noncompliance with technology-based emission limitations if the requirements of paragraph 2 of this condition are met.
2. The affirmative defense of malfunction shall be demonstrated by the permittee through properly signed, contemporaneous operating logs, or other relevant evidence that show the following:

- a. A malfunction occurred and the permittee can identify the cause or causes of the malfunction.
 - b. The permitted facility was at the time being properly operated.
 - c. During the period of the malfunction the permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standards, or other requirements in the permit.
 - d. The permittee notified the board of the malfunction within two working days following the time when the emission limitations were exceeded due to the malfunction. This notification shall include a description of the malfunction, any steps taken to mitigate emissions, and corrective actions taken. The notification may be delivered either orally or in writing. The notification may be delivered by electronic mail, facsimile transmission, telephone, or any other method that allows the permittee to comply with the deadline. This notification fulfills the requirements of 9 VAC 5-80-110 F 2 b to report promptly deviations from permit requirements. This notification does not release the permittee from the malfunction reporting requirement under 9 VAC 5-20-180 C.
3. In any enforcement proceeding, the permittee seeking to establish the occurrence of a malfunction shall have the burden of proof. The provisions of this section are in addition to any malfunction, emergency or upset provision contained in any requirement applicable to the source.
 4. The provisions of this section are in addition to any malfunction, emergency or upset provision contained in any applicable requirement.

(9 VAC 5-80-250)

V. Permit Revocation or Termination for Cause

A permit may be revoked or terminated prior to its expiration date if the owner knowingly makes material misstatements in the permit application or any amendments thereto or if the permittee violates, fails, neglects or refuses to comply with the terms or conditions of the permit, any applicable requirements, or the applicable provisions of 9 VAC 5 Chapter 80 Article 1. The board may suspend, under such conditions and for such period of time as the board may prescribe, any permit for any of the grounds for revocation or termination or for any other violations of these regulations.

(9 VAC 5-80-260)

W. Duty to Supplement or Correct Application

Any applicant who fails to submit any relevant facts or who has submitted incorrect information in a permit application shall, upon becoming aware of such failure or incorrect submittal, promptly submit such supplementary facts or corrections. An applicant shall also provide additional information as necessary to address any requirements that become applicable to the source after the date a complete application was filed but prior to release of a draft permit.

(9 VAC 5-80-80 E)

X. Stratospheric Ozone Protection

If the permittee handles or emits one or more Class I or II substance subject to a standard promulgated under or established by Title VI (Stratospheric Ozone Protection) of the federal Clean Air Act, the permittee shall comply with all applicable sections of 40 CFR Part 82, Subparts A to F.

(40 CFR Part 82, Subparts A - F)

Y. Accidental Release Prevention

If the permittee has more, or will have more than a threshold quantity of a regulated substance in a process, as determined under 40 CFR 68.115, the permittee shall comply with the requirements of 40 CFR Part 68.

(40 CFR Part 68)

Z. Changes to Permits for Emissions Trading

No permit revision shall be required, under any federally approved economic incentives, marketable permits, emissions trading and other similar programs or processes for changes that are provided for in this permit.

(9 VAC 5-80-110 I)

AA. Emissions Trading

Where the trading of emissions increases and decreases within the permitted facility is to occur within the context of this permit and to the extent that the regulations provide for trading such increases and decreases without a case-by-case approval of each emissions trade:

1. All terms and conditions required under 9 VAC 5-80-110 except subsection N shall be included to determine compliance.
2. The permit shield described in 9 VAC 5-80-140 shall extend to all terms and conditions that allow such increases and decreases in emissions.
3. The owner shall meet all applicable requirements including the requirements of 9 VAC 5-80-50 through 9 VAC 5-80-300.

(9 VAC 5-80-110 I)